



UNITED STATES
NUCLEAR REGULATORY COMMISSION
REGION IV
1600 EAST LAMAR BLVD
ARLINGTON, TEXAS 76011-4511

March 4, 2013

Mr. Adam C. Heflin,
Senior Vice President
and Chief Nuclear Officer
Union Electric Company
P.O. Box 620
Fulton, MO 65251

SUBJECT: ANNUAL ASSESSMENT LETTER FOR CALLAWAY PLANT
(REPORT 05000483/2012801)

Dear Mr. Heflin:

On February 12, 2013, the NRC completed its end-of-cycle performance review of Callaway Plant. The NRC reviewed the most recent quarterly performance indicators (PIs) in addition to inspection results and enforcement actions from January 1, 2012, through December 31, 2012. This letter informs you of the NRC's assessment of your facility during this period and its plans for future inspections at your facility.

The NRC determined that overall, Callaway Plant operated in a manner that preserved public health and safety and met all cornerstone objectives. The NRC determined the performance at Callaway Plant during the most recent quarter was within the Licensee Response Column of the NRC's Reactor Oversight Process (ROP) Action Matrix because all inspection findings had very low (i.e., Green) safety significance, and all PIs indicated that your performance was within the nominal, expected range (i.e., Green). Therefore, the NRC plans to conduct ROP baseline inspections at your facility.

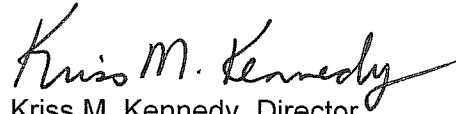
Callaway Plant was in the Regulatory Response Column for first two quarters of 2012 based on a greater-than-Green Security finding. A Security Follow-up Assessment Letter was issued on July 21, 2012, transitioning Callaway back to the Licensee Response Column effective June 30, 2012. This decision was made based on your successful completion of a supplemental inspection conducted on April 27, 2012, (ML 12158A275) which identified no findings.

The enclosed inspection plan lists the inspections scheduled through June 30, 2014. Routine inspections performed by resident inspectors are not included in the inspection plan. The inspections listed during the last nine months of the inspection plan are tentative and may be revised at the mid-cycle performance review. The NRC provides the inspection plan to allow for the resolution of any scheduling conflicts and personnel availability issues. The NRC will contact you as soon as possible to discuss changes to the inspection plan should circumstances warrant any changes. This inspection plan does not include security-related inspections, which will be sent via separate, non-publicly available correspondence.

In accordance with 10 CFR 2.390 of the NRC's Rules of Practice, a copy of this letter will be available electronically for public inspection in the NRC Public Document Room or from the Publicly Available Records (PARS) component of NRC's document system (ADAMS). ADAMS is accessible from the NRC Web site at <http://www.nrc.gov/reading-rm/adams.html> (the Public Electronic Reading Room).

Please contact me at 817-200-1141 with any questions you have regarding this letter.

Sincerely,

Handwritten signature of Kriss M. Kennedy in black ink.

Kriss M. Kennedy, Director
Division of Reactor Projects

Docket No. 50-483
License No. NPF-30

Enclosure:
Callaway Plant Inspection/Activity Plan

Callaway

Inspection / Activity Plan

03/01/2013 - 06/30/2014

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
1	03/18/2013 03/23/2013	EXAM - INITIAL OPERATOR EXAM X02500	INITIAL EXAM CALLAWAY (04/01/2012)	5
1	01/01/2013 06/30/2013	2515/182 - UNDERGROUND PIPING PHASE 1 IP 2515/182	Review of the Implementation of the Industry Initiative to Control Degradation of Underground Piping	2
1	01/01/2013 12/31/2013	2515/187 - FLOODING WALKDOWNS IP 2515/187	Inspection of Near-Term Task Force Recommendation 2.3 Flooding Walkdowns	3
1	01/01/2013 12/31/2013	2515/188 - SEISMIC WALKDOWNS IP 2515/188	Inspection of Near-Term Task Force Recommendation 2.3 Seismic Walkdowns	2
1	04/08/2013 04/19/2013	PSB2-ISI - INSERVICE INSPECTION IP 7111108P	Inservice Inspection Activities - PWR	1
1	04/15/2013 04/19/2013	PSB2-RP - RADIATION PROTECTION IP 71124.01	Radiological Hazard Assessment and Exposure Controls	3
1	04/15/2013 04/19/2013	IP 71124.02	Occupational ALARA Planning and Controls	
1	04/15/2013 04/19/2013	IP 71151-OR01	Occupational Exposure Control Effectiveness	
1	04/15/2013 04/19/2013	IP 71151-PR01	RETS/ODCM Radiological Effluent	
1	06/24/2013 06/28/2013	INSP - LICENSED OPERATOR REQUAL INSP IP 7111111B	Licensed Operator Requalification Program	3
1	08/19/2013 08/23/2013	PSB2-RP - RADIATION SAFETY IP 71124.05	Radiation Monitoring Instrumentation	4
1	08/19/2013 08/23/2013	IP 71124.06	Radioactive Gaseous and Liquid Effluent Treatment	
1	08/19/2013 08/23/2013	IP 71124.07	Radiological Environmental Monitoring Program	
1	08/19/2013 08/23/2013	IP 71124.08	Radioactive Solid Waste Processing and Radioactive Material Handling, Storage, and Transportation	
1	09/23/2013 09/27/2013	EP-3 - EP PERFORMANCE INDICATORS IP 71151-EP01	Drill/Exercise Performance	1
1	09/23/2013 09/27/2013	IP 71151-EP02	ERO Drill Participation	
1	09/23/2013 09/27/2013	IP 71151-EP03	Alert & Notification System	
1	09/23/2013 09/27/2013	EP1 - BIENNIAL EXERCISE INSPECTION IP 7111407	Exercise Evaluation - Hostile Action (HA) Event	5
1	09/30/2013 10/04/2013	EB1-07T - TRIENNIAL HEAT SINK INSPECTION IP 7111107T	Heat Sink Performance	1
1	09/30/2013 10/11/2013	EB1-17T - TRIENNIAL PERM PLANT MODS & 50.59 IP 7111117T	Evaluations of Changes, Tests, or Experiments and Permanent Plant Modifications	5

This report does not include INPO and OUTAGE activities.

This report shows only on-site and announced inspection procedures.

Unit Number	Planned Dates Start End	Inspection Activity	Title	No. of Staff on Site
-------------	----------------------------	---------------------	-------	-------------------------

EB1-21T - COMPONENT DESIGN BASIS INSPECTION

1	04/14/2014 04/18/2014	IP 7111121	Component Design Bases Inspection	5
1	04/28/2014 05/02/2014	IP 7111121	Component Design Bases Inspection	
1	05/12/2014 05/16/2014	IP 7111121	Component Design Bases Inspection	

TSB 52B - BIENNIAL PI&R

1	06/23/2014 06/27/2014	IP 71152B	Problem Identification and Resolution	4
---	-----------------------	-----------	---------------------------------------	---

This report does not include INPO and OUTAGE activities.
 This report shows only on-site and announced inspection procedures.